

1961

PA. 070720201212 AMERICA

East River, City Race, Factory Race and Tanner Bitch in efs, East Union Canal -  
1.5'x3' Cylindrical Weir, City Race - 1'x3' Sup. Weir, Factory Race + 1'x12' Sup. Weir,  
Tanner Bitch - Tanner Race through 8' rectangular Weir less Dry Creek diversion  
permitted through a 3' wide cylindrical Flyweir.

PLANO GATE IRIGATION METER MAY, 1961

East Union, City Weir, Factory Race and Tanner Ditch in cfs, East Union Canal -  
 1.5'x8' Suppressed Weir, City Weir = 1'x8' Sup. Weir, Factory Race = 1'x12' Sup. Weir,  
 Tanner Ditch = Tanner Weir through 6' rectangular Weir less Dry Creek diversion  
 measured upstream at 3' wide Parshall flume.

Day	East Gauge cfs	Factory		City		Tanner		Total		City Gauge cfs		East Creek Gauge cfs	
		Flow	Rate	Flow	Rate	Flow	Rate	Flow	Rate	Flow	Rate	Flow	Rate
1	.39	6.9	.23	4.6	.20	2.6		2.8		13.1	.40	5.0	.32
2	.36	6.2	.23	4.8	.20	2.6		2.5		13.9	.35	4.1	.30
3	.38	6.6	.22	4.6	.20	2.6		2.7		15.5	.34	3.9	.32
4	.37	6.4	.23	4.8	.20	2.6		2.6		15.4	.40	5.0	.36
5	.38	9.4		6.8		2.6		2.2		19.6	.38	4.6	.33
6	.39	6.6	.22	4.6	.20	2.6		2.2		16.0	.32	4.6	.34
7	?	One	?	Out	.15	1.8		9.4		11.3	1.723	13.8	.30
8	.33	5.4	.20	4.0	.20	2.6		2.4		14.4	.34	3.9	.26
9	.36	6.2	.20	4.0	.20	2.6		2.0		14.3	.32	3.6	.27
10	.27	4.0	.22	4.6	.15	1.8		2.4		12.8	.36	4.2	.30
11	.43	7.9	.20	4.0	.15	1.8		2.0		15.7	.34	3.9	.31
12	.40	7.1	.18	3.4	.16	2.0		.3		13.3	.30	3.3	.37
13	.40	9.4	.18	3.4	.15	2.0		1.4		16.2	.32	3.6	.34
14	.34	5.6	.17	3.1	.15	2.0		4.5		12.0	.45	5.9	.38
15	.40	9.4	.17	3.1	.20	2.6		3.5		18.6	.47	6.3	.39
16	.46	9.4	.18	3.8	.15	1.8		3.0		17.0	.45	5.9	.40
17	.50	10.0	.15	2.5	.15	1.8		3.2		17.5	.47	6.3	.42
18	.48	9.4	.20	4.0	.18	2.3		4.3		20.0	.53	7.5	.43
19	.48	9.6	.17	3.1	.18	2.3		5.3		20.1	.57	8.4	.62
20	.46	8.2	.20	4.0	.18	2.3		5.5		13.0	.51	7.3	.46
21	.35	5.9	.15	2.8	.15	2.3		4.6		15.6	.53	7.5	.40
22	.35	5.9	.15	2.5	.18	2.3		5.0		15.6	.52	7.3	.34
23	.36	6.2	.18	3.4	.15	2.3		3.9		15.8	.46	6.1	.33
24	.41	7.4	.17	3.1	.20	2.6		2.9		15.9	.40	5.0	.32
25	.41	7.4	.18	3.4	.20	2.6		3.4		16.8	.41	5.2	.30
26	.45	8.3	.18	3.6	.20	2.6		4.9		19.5	.49	6.7	.30
27	.49	9.6	.15	2.5	.20	2.3		4.0		18.7	.50	6.9	.40
28	.47	9.1	.17	3.1	.20	2.6		3.1		17.9	.45	5.9	.39
29	.49	9.6	.18	3.4	.20	2.6		3.6		19.4	.48	6.5	.40
30	.50	10.0	.18	3.4	.20	2.6		6.3		22.3	.61	9.2	.40
31	.60	13.1	.19	3.6	.20	2.6		7.1		26.4	.62	9.3	.36
<b>Total</b>			3.7							<b>16.82</b>			<b>2.4 ✓</b>

PROVO CITY ELECTION WINTER TERM, 1951

East Union, City Ditch, Yesteray Rose and Yonker Ditch in ofc, East Union Canal.  
1.5' x 2' Suppressed Weir, City Ditch - 1' x 1' Sup. Weir, Factory Ditch - 1' x 1' Sup. Weir,  
Yonker Ditch - 1' x 1' rectangular weir less Dry Creek diversion  
measured through 4' rectangular weir less Dry Creek diversion

MEASUREMENTS OF THE WATER, JULY, 1951

East Union City Race, Factory Race and Tanner Ditch in cfs, East Union  
 Canal - 1.5' inc' Suppressed Hair, City Race - 1' inc' Sup. Hair, Factory Race -  
 1' inc' Sup. Hair, Tanner Ditch - Tanner Race through 6" rectangular Hair  
 East River Canal elevation measured through a 3' wide Marshall Plaza.

Date	Factory		City		Tanner		Total		Lav.	
	July Day	Elevation cfs	Race cfs	Race cfs	Race cfs	Ditch cfs	Race cfs	Race cfs	Combina. Race cfs	Race cfs
1	.52	10.5	.20	4.0	.20	2.0	4.0	21.6	.54	7.7
2	.52	10.6	.20	4.0	.15	1.8	4.6	21.0	.54	7.7
3	.52	10.6	.20	4.0	.18	2.3	4.6	21.5	.54	7.7
4	.50	10.0	.20	6.0	.10	1.0	4.3	19.3	.54	7.7
5	.50	10.0	.22	4.5	.14	1.7	4.3	20.6	.54	7.7
6	.52	10.6	.20	4.0	.24	1.7	4.3	21.6	.54	7.7
7	.52	10.6	.22	4.6	.10	2.0	4.3	20.6	.54	7.7
8	.52	10.6	.20	4.0	.20	2.6	5.4	22.6	.54	7.7
9	.68	9.4	.22	4.6	.12	1.4	4.0	19.4	.52	7.3
10	.48	9.4	.22	4.6	.12	1.4	4.0	19.4	.52	7.3
11	.48	9.4	.22	4.6	.12	1.4	4.0	19.4	.52	7.3
12	.48	9.4	.18	3.4	.12	1.4	3.6	17.8	.50	6.9
13	.50	10.0	.20	4.0	.12	1.4	4.0	19.4	.52	7.3
14	.46	8.8	.18	3.4	.10	1.0	4.0	17.2	.52	7.3
15	.55	11.5	.18	3.4	.17	2.1	4.0	21.0	.52	7.3
16	.60	13.1	.22	4.6	.22	3.0	4.0	24.7	.50	6.6
17	.60	13.1	.22	4.6	.17	2.1	4.6	24.4	.50	6.6
18	.56	11.8	.20	4.0	.12	1.4	4.3	21.5	.48	6.5
19	.56	11.8	.20	4.0	.12	1.4	3.0	20.2	.48	6.1
20	.54	11.2	.22	4.6	.12	1.4	5.5	21.7	.50	6.6
21	.60	13.1	.18	3.4	.12	1.4	3.2	23.1	.52	6.6
22	.60	13.1	.18	3.4	.10	1.0	5.2	22.7	.58	6.6
23	.60	13.1	.18	3.4	.20	2.6	5.7	24.6	.60	9.1
24	.54	11.2	.15	2.5	.20	2.6	5.7	21.0	.60	9.1
25	.58	12.5	.18	3.4	.15	2.0	5.2	23.1	.50	6.6
26	.54	11.2	.17	3.2	.14	1.7	4.3	20.4	.54	7.7
27	.52	10.6	.16	2.8	.14	1.7	4.3	19.4	.54	7.7
28	.54	11.2	.12	1.9	.10	1.0	4.6	16.7	.54	7.7
29	.46	8.8	.12	1.9	.12	1.6	4.2	15.3	.52	7.3
30	.56	11.3	.16	2.8	.18	2.3	5.1	22.0	.58	6.2
31	.57	12.0	.12	1.9	.20	2.5	6.0	22.5	.60	9.1
Mean										
			3.7					20.54		
Total										3.20
Ac.Ft.								1293		193

PROF. G. M. MITCHELL RIVER REGULATIONS, 1961

Rest Union, City Race, Factory Race and Tanner Ditch in cfs, Rest Hudson Canal - 1.5' x 8' Suppressed Weir, City Race - 1' x 8' Gun. Weir, Factory Race - 1' x 12' Sup. Weir, Tanner Ditch - Tanner Race through 6' rectangular Weir  
 June 22, Bay Creek diversion removed through a 3' wide Parshall Flume.

Date	Factory		City		Tanner		Total		Dry		Creek	
	Day	Year	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate	Rate
	Day	Geog. cfs	Date	cfs	Rate	cfs	Rate	cfs	Rate	cfs	Rate	Rate
1	.53	11.3	.12	1.9	.12	3.0	6.0	22.7	.30	9.1	.42	3.2
2	.53	11.3	.14	2.3	.14	2.7	4.6	20.4	.56	8.6	.50	4.0
3	.53	11.3	.14	2.3	.14	1.7	4.9	20.7	.56	8.2	.44	3.2
4	.53	11.3	.20	4.0	.14	1.7	4.9	22.4	.56	8.2	.44	3.3
5	.53	11.3	.18	3.4	.14	1.7	4.9	21.8	.56	8.2	.44	3.3
6	.53	11.2	.20	4.0	.10	1.0	4.9	21.1	.56	8.2	.44	3.3
7	.53	11.3	.18	3.4	.20	2.6	4.9	22.7	.56	8.2	.44	3.3
8	.54	11.2	.18	3.4	.18	2.3	4.9	21.8	.56	8.2	.44	3.3
9	.54	11.2	.18	3.4	.12	1.4	5.3	21.3	.53	8.6	.44	3.3
10	.53	10.9	.18	3.4	.12	1.4	5.3	21.0	.58	8.6	.44	3.3
11	.48	9.4	.20	4.0	.10	1.0	5.2	19.6	.58	8.6	.45	3.4
12	.53	12.5	.20	4.0	.12	1.4	5.2	23.1	.56	8.5	.43	3.4
13	.53	12.5	.20	4.0	.12	1.4	5.2	23.1	.56	8.6	.43	3.4
14	.53	11.3	.18	3.4	.20	2.6	5.2	23.0	.56	8.6	.43	3.4
15	.53	12.5	.18	3.4	.20	2.6	5.2	23.7	.56	8.5	.45	3.4
16	.46	8.8	.15	3.4	.10	1.0	2.5	15.7	.45	8.9	.45	3.4
17	.53	10.9	.19	3.6	.16	2.0	3.5	20.1	.50	8.9	.44	3.3
18	.48	9.4	.18	3.4	.10	1.0	2.6	16.4	.45	8.9	.44	3.3
19	.47	9.1	.18	3.4	.10	1.0	2.6	16.1	.45	5.9	.44	3.3
20	.46	8.8	.18	3.4	.10	1.0	2.6	16.1	.45	5.9	.44	3.3
21	.39	8.9	.14	2.3	.10	2.3	2.6	14.1	.45	5.9	.42	3.3
22	.46	8.8		2.4		2.3	2.6	16.1		5.9	.44	3.3
23	.46	8.8	.15	2.5	.18	2.3	3.3	16.9	.48	6.5	.43	3.2
24	.54	11.2	.18	3.4	.16	2.0	3.7	23.3	.64	9.9	.43	3.2
25	.46	8.8	.16	2.8	.14	1.7	5.4	18.6	.58	8.6	.43	3.2
26	.45	8.5	.16	2.8	.14	1.7	4.8	17.8	.56	8.3	.45	3.4
27	.45	8.8	.16	2.8	.14	1.7	4.8	17.2	.56	8.2	.45	3.4
28	.44	8.2	.16	2.8	.12	1.4	4.3	17.7	.54	7.7	.45	3.4
29	.45	8.5	.16	2.8	.14	1.7	4.3	17.3	.54	7.7	.45	3.4
30	.46	8.8	.14	2.3	.16	2.0	4.3	17.4	.54	7.7	.45	3.4
31	.46	8.8	.15	2.5	.15	1.8	4.3	17.4	.54	7.7	.45	3.4
Mean				3.1				19.6				3.35 ✓
Total												
Ac. %												

## REVENUE CREEK TRANSMISSION WATER DIVERSIONS, 1943

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union  
 Canal - 1.5' m3' Suppressed Weir, City Race - 1'm3' Sup. Weir, Factory Race -  
 1'm3' Sup. Weir, Tanner Ditch - Tanner Race through 6' rectangular Weir  
 less Dry Creek diversion measured through a 3' wide Parshall Flume.

Date	East		Factory		City		Tanner		Total		Dry			
	Sept.	Union	Gage	Rate	Sept.	Rate	Sept.	Rate	Sept.	Rate	Cobbler	Creek		
		cfs	cfs	sec	cfs	sec	cfs	sec	cfs	sec	cfs	cfs		
1	.48	8.8	.16	2.5	.34	1.7			4.4		.54	7.7	.44	3.3
2	.46	9.4	.16	2.3	.34	1.7			2.8		16.7	.46	6.1	3.3
3	.48	9.4	.16	2.8	.34	1.7			3.2		17.1	.48	6.5	3.3
4	.48	9.4	.16	2.8	.34	1.7			3.2		17.1	.48	6.5	3.3
5	.46	8.8	.16	2.8	.12	1.4			5.3		18.3	.58	8.6	3.3
6	.46	8.8	.16	2.3	.16	2.0			3.6		16.7	.50	6.9	3.3
7	.48	8.8	.16	2.8	.18	2.3			3.6		17.5	.50	6.9	3.3
8	.48	9.4	.16	2.6	.18	2.3			2.0		16.5	.42	5.3	3.3
9	.48	9.4	.16	2.6	.18	2.3			3.2		17.7	.48	6.5	3.3
10	.48	8.8	.16	2.8	.14	1.7			3.6		16.9	.50	6.9	3.3
11	.46	8.2	.16	2.6	.14	1.7			3.5		16.8	.50	6.9	3.4
12	.38	6.6	.16	2.0	.08	.70			1.9		12.0	.42	5.3	3.4
13	.44	8.2	.18	3.4	.08	.70			2.3		16.6	.44	5.7	3.4
14	.48	9.4	.18	3.4	.10	1.0			3.9		17.7	.52	7.3	3.4
15	.48	9.4	.20	4.0	.10	1.0			3.9		18.3	.52	7.3	3.4
16	.45	8.8	.20	3.4	.10	1.0			3.5		16.7	.50	6.9	3.4
17	.43	8.8	.18	3.4	.10	1.0			4.3		17.5	.54	7.7	3.4
18	.50	10.0	.20	4.0	.14	1.7			5.1		20.8	.50	9.1	4.0
19	.40	7.0	.14	2.3	.12	1.4			2.0		12.7	.42	5.3	3.3
20	.45	6.6	.18	3.4	.12	1.4			4.0		17.6	.52	7.3	3.3
21	.45	8.8	.16	2.8	.12	1.4			2.8		15.8	.46	6.1	3.3
22	.45	8.8	.18	3.4	.12	1.4			4.0		17.6	.52	7.3	3.3
23	.48	9.4	.18	3.4	.16	2.0			5.2		20.0	.58	8.6	3.4
24	.50	10.0	.18	3.4	.26	2.0			4.3		19.7	.54	7.7	3.4
25	.47	9.0	.18	3.4	.16	2.0			4.1		18.5	.53	7.5	3.4
26	.46	8.8	.18	3.4	.16	2.0			3.5		17.7	.50	6.9	3.4
27	.38	5.6	.14	2.3	.12	1.4			1.9		12.2	.40	5.0	3.1
28	.38	6.6	.14	2.3	.12	1.4			1.9		12.2	.40	5.0	3.1
29		6.6		2.3		1.4			1.9		12.2		5.0	3.1
30	.42	7.7	.16	2.8	.10	1.0			2.6		14.1	.64	5.7	3.1
Mean														
		cfs												
Total				3.0							16.55			3.3
Ac.Ft.											993			200

PROVO CITY DIVERSION WATER OCTOBER, 1961

East Union, City Race, Factory Race and Tanner Ditch in cfs, East Union Canal ~1.5'x8' Suspended Weir, City Race ~1'x8' Sep. Weir, Factory Race ~1'x12' Sep. Weir, Tanner Ditch ~Tanner Race through a 3' rectangular Weir Little Dry Creek diversion measured downstream a 3' wide Kayaball Flume.

Oct.	Date	Time	Stage	Flow	Race	Race	Tanner	Total	Provo		Combini.	Dry
									cfs	ft		
1	.50	10.0	.15	2.8	.12	1.4		3.1	19.3	.56	8.2	.42
2	.46	8.8	.13	3.6	.10	1.0		4.6	17.8	.54	7.7	.42
3	.36	6.2	.16	2.8	.10	1.0		1.9	11.9	.40	5.0	.42
4	.36	6.2	.14	2.3	.10	1.0		1.5	11.0	.38	4.6	.42
5	.38	6.6	.14	2.3	.12	1.4		2.2	13.5	.42	5.3	.42
6	.42	7.7	.16	2.8	.12	1.4		4.2	16.1	.52	7.3	.42
7	.40	7.1	.14	2.3	.10	1.0		5.1	15.5	.56	6.2	.42
8	.42	7.7	.14	2.3	.10	1.0		5.2	16.1	.56	8.2	.42
Mean												
Total				2.6					15.03			3.10
Ac.Mt.									240			50

Little Dry Creek Ditch Company under an agreement with Fort Field Ditch Company returned their stream to Provo River at 200 Mouth in Provo for addition and diversion by Fort Field Ditch Company below for a 73 hour 45 min. turn on dates and time listed.

April 18	11:38 A.M.	April 20	11:38 P.M.
May 11	11:38 A.M.	May 22	11:38 P.M.
June 3	11:38 A.M.	June 14	11:38 P.M.
July 7	11:38 P.M.	July 19	11:38 A.M.
Aug. 11	11:38 A.M.	Aug. 22	11:38 P.M.
Sept. 3	11:38 A.M.	Sept. 3	11:38 A.M.
Oct. 7	11:38 P.M.	Oct. 19	11:38 A.M.